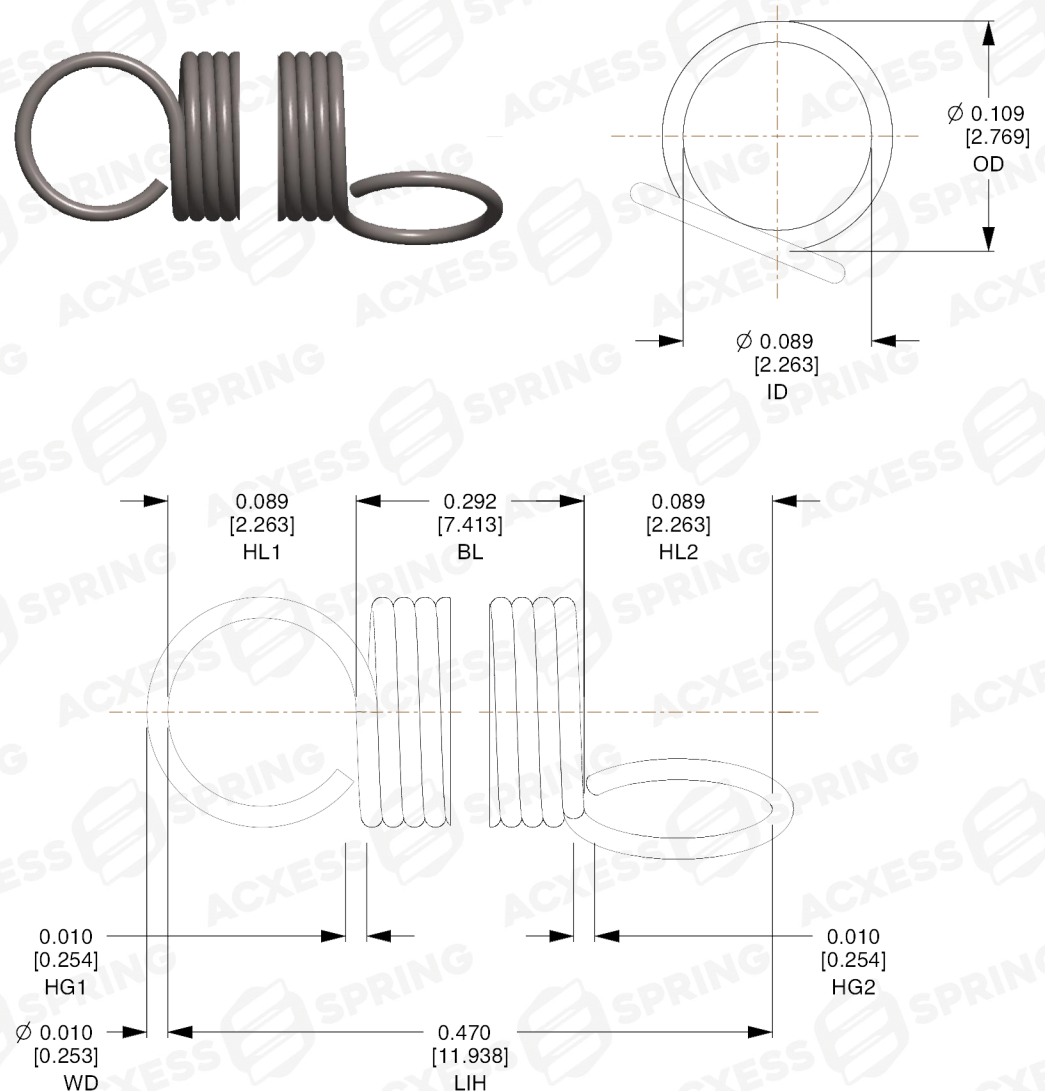


Part Name:	Date: 06/02/2026
Part #: in (Click to see Part # on Website)	PE010-109-28200-MW-0470-SH-N-IN 
Spring Type: Extension Spring	End Type: Side Hook
Finish: None	Direction of Wind: Right Hand
Material: Music Wire ASTM A228	Spring Index (I): 9.900
Weight / M: 0.214 Lbs	Length of W: 9.571 in

Physical Dimensions	IN	MM	Tolerances (in)
Wire Diameter (WD)	0.010 in	[0.254 mm]	+/- 0.001
Outer Diameter (OD)	0.109 in	[2.769 mm]	+/- 0.005
Mean Diameter (MD)	0.099 in	[2.515 mm]	+/- 0.005
Inner Diameter (ID)	0.089 in	[2.261 mm]	+/- 0.005
Length Inside Hooks (LIH)	0.470 in	[11.938 mm]	+/- 0.015
Body Length (BL)	0.292 in	[7.417 mm]	+/- 0.015
Hook Gap 1 (HG1)	0.010 in	[0.254] mm	
Hook Gap 2 (HG2)	0.010 in	[0.254] mm	
Hook Length 1 (HL1)	0.089 in	[2.261] mm	
Hook Length 2 (HL2)	0.089 in	[2.261] mm	
Total Hook Length (THL)	0.178 in	[4.521] mm	

Spring Rate (K)	0.52503 lbs/in	0.092 N/mm	+/- 0.052
Max Load (ML)	0.503 lbf	2.237 N	+/- 0.050
Max Travel (MT)	0.869 in	22.075 mm	
Initial Tension (IT)	0.046 lbf	0.206 N	
Max Shear Stress Possible (t max)	181890.000 PSI	1254087404.024 Pa	
Material Shear Modulus (G)	11492970.929 PSI	79241245134.131 Pa	
Wahl Correction Factor (W)	1.146	1.146	



Note: Body Length, Total Coils, End Type and End Position is for reference only.

Notes	Scale: 11.009	Revision #:	Drawn By:	Approved By:
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